REVO™ ELITE

2014

REVO America

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IP Systems

Full High Definition (2 Megapixel) Resolution

HD cameras provide up to 5 times higher resolution compared to standard resolution cameras. Therefore, one HD camera can replace 3 to 4 standard cameras which can significantly reduce the total installation cost. In addition, the 16:9 wide screen format provides much wider coverage than standard 4:3 cameras which makes it possible to cover wider areas with one HD camera.

Video analytics

Video Analytics on IP cameras include: Motion Detection - which detects when a change has occurred in predefined areas within the field of view, Trip Zone / Enter / Exit functions - which detect if a breach has occurred in a predefined area, and Tampering Detection that automatically alarms when a camera is disrupted.

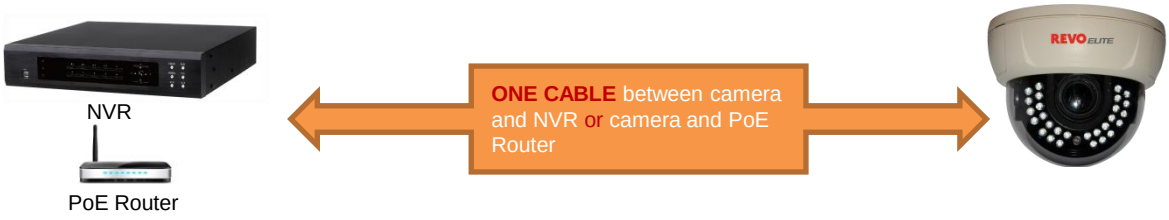
Motion Detection

Trip Zone

Tampering

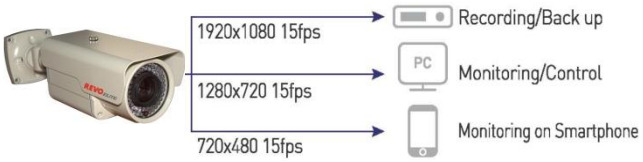
Installation Cost Savings with PoE & Plug & Play Applications

PoE (Power over Ethernet) refers to a technology that allows IP devices to receive power over existing LAN cabling. PoE eliminates the need for a separate power source thus simplifying the installation.
The technology is space-saving and allows devices to receive power and data over existing infrastructures, without the need to upgrade them.
In addition, with a PoE Switch built into the NVR, you'll only need one cable between the NVR & Camera.



Dual Codec & Multiple Streaming

REVO IP Cameras support H.264/MJPEG dual codec and multiple streaming capabilities. Users can select the relevant codec to suit their individual requirements such as, real time monitoring, high quality or high efficiency recording, mobile monitoring and email notifications.



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IP Cameras

- 1/2.9” 2 Megapixel CMOS
- Dual Codec (H.264, M-JPEG)
- Triple Stream (Live & Recording, Multi-View)
- Video Analytics (Tampering, Tripzone)
- Motion Detection, Privacy Masking
- Day & Night with IR Cut Filter
- Supports PoE (802.3af)
- Local SDHC Storage Support

PTZ Cameras

RIVDPTZ18-1P

18X PTZ, 4.8-86.4mm Motorized Zoom lens, IP66 with Built-in Heater, PoE/12VDC. 24VAC
Size(mm): 200(W) x 200(H)

Vandal Domes

RIVD20MIR-1P

28 IR LEDs, 3.3-10 Motorized lens, 3- Axis Gimbal, IP67, PoE/12VDC
Size(mm): 148(W) x 115(H) x 148(D)

RIVD20IR-3P

28 IR LEDs, 2.8-10 Varifocal lens, 3- Axis Gimbal, IP67, PoE/12VDC
Size(mm): 150(W) x 100(H) x 150(D)

Indoor Domes

RIPD20-3P

28 IR LEDs, 2.8-10 Varifocal lens, 3- Axis Gimbal, PoE/12VDC
Size(mm): 130(W) x 100(H) x 130(D)

Box Cameras

RIXN20-4P

Min Illumination: 0.1Lux, PoE/12VDC
Size(mm): 58(W) x 52(H) x 123(D)

Bullet Cameras

RIPP20-2P

42 IR LEDs, 2.8-10mm Varifocal lens, 4- Axis Bracket, IP67, PoE/12VDC
Size(mm): 95(W) x 80(H) x 265(D)

RIPP20-3P

56 IR LEDs, 6mm Fixed lens, 3- Axis Bracket, IP67, PoE/12VDC
Size(mm): 100(W) x 100(H) x 210(D)

RIPP20-4P

Super Side Lights 40 IR LEDs, 2.8-10 Varifocal lens, 3- Axis Bracket, IP67, PoE/12VDC
Size(mm): 260(W) x 210(H) x 290(D)

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Network Video Recorders

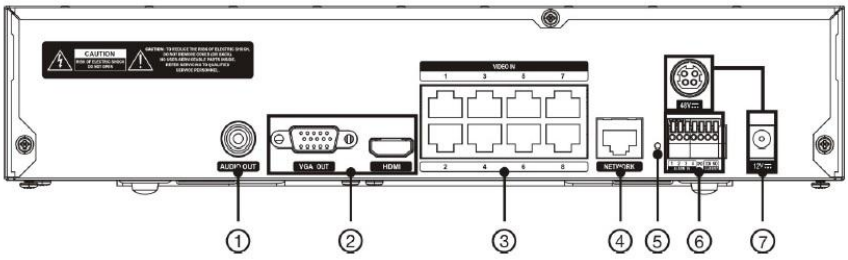
RI16NVR-1P: 16 Ch. IP

RI08NVR-1P: 8 Ch. IP

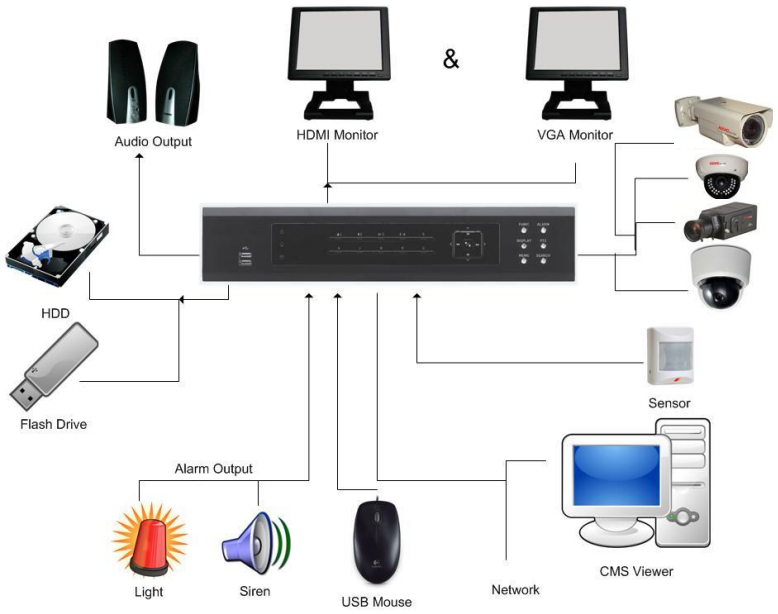
RI04NVR-1P: 4 Ch. IP

REVO Network Video Recorders are recording and monitoring solutions for IP cameras that perform a real-time monitoring and recording simultaneously. They support 4, 8 and 16 channels and have a built-in PoE switch (4 and 8 ports) which allows easy installation.
User can select HDMI or VGA output to watch local monitoring and playback.
Due to zero configuration technology, camera registration process is very easy so there is no need to know the network related knowledge. Just Plug-Select and Watch!

- 4, 8 and 16 Ch. IP Camera Inputs
- H.264 Codec(Main Profile)
- Monitor Connection: 1 HDMI, 1 VGA
- Real-time Recording (120/240/480ips @1920x1080)
- Alarm In/Out & Built-in Alarm Buzzer
- Built-in PoE(802.3af) 4 or 8 Ports Switching Hub
- Additional Network Port for Remote Access
- IR Remote Control
- 2 USB 2.0 Ports
- Easy Installation via uPnP and Zero Configuration
- Multi Recording Modes (Timelapse, Event, Pre-Event)
- Remote Access via Smart Phone, CMS and Explorer
- Audio Recording and Playback



1) Audio Out
2) Video Out (VGA, HDMI)
3) Network/ PoE Inputs
   RI04NVR-1P : 4
   RI08NVR-1P, RI16NVR-1P : 8
4) Ethernet
5) Factory Reset
6) Alarm, RS485
7) Power



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Specifications

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IP Cameras

VIDEO	Video Out	1 Terminal Block
	Compression	H.264(MP), M-JPEG
	Resolution Supported	CIF, 4CIF, 1280x720(720p), 1920x1080(1080p)
	Bitrate Control	H.264 - CBR / VBR (up to 12Mbps)
	Frame Rate	30ips @ 1080p + 30ips @ 4CIF / Triple Streaming (with multi-view)
	Video Quality Compensation	Auto Expose, AWB, DNR, Black Level Correction
FUNCTIONS	Motion Detection	yes
	Audio Detection	Depends on models
	Video Analytics	yes (Motion detection, Tampering, Tripzone)
	Event Buffering (Pre & Post)	yes (upto 60M)
	Multi Streaming Video	triple stream (Live & Recording, Multi-view)
	External Storage Recording	yes
	FTP Upload	yes
	Motion Adaptive Transmission	Yes (MAT)
	Two-way Audio	Depends on models
	Privacy Masking	yes
	Pre-Recorded Voice Alert	Depends on models
	Event Notification	Remote S/W, Email (with Image)
SYSTEM	Network TimeSync	yes
	Soft Reset/ Factory Reset	yes
	Auto Recovery	yes
	Security	Multi-User Authority / IP Filtering / HTTPS, SSL encryption / 802.1x
	Import/Export Settup/ Upgrade	Yes, Remote S/W
NETWORK	Max. Connections	10(Live), 1 (Recording), 1 (Search)
	Protocols	Manual, ADSL, DHCP, UPnP, mDNS, RTP / RTSP / TCP, RTP / RTSP / HTTP / TCP, RTP / UDP RTSP / TCP, HTTP, HTTPS, FTP, SMTP, mDNS, uPNP, IPv4 / IPv6
	DDNS(DVRNS)	yes
	QoS	yes (QoS Layer 3 DiffServ)
	Remote Access Client	MegaCMS, MegaWeb, MegaViewer
	Open IP Protocols	yes (ONVIF Profile S)

NVRs

VIDEO & RECORDING	Video Inputs/ Output	4, 8, 16 IP cameras/ 1 HDMI, 1 VGA OUT
	Supported Camera	REVO IP Cameras, ONVIF™
	Display Speed/ Resolution	Real-time live/ 1920 x 1080, 1680 x 1050
	Live Digital Zoom	x2, x3, x4
	Max. Throughput	Real-time @ Full HD, H.264 Compression
	Recording Resolution	1920x1080, 1280x720, 704x480, 352x240 (depending on IP camera)
	Recording Mode	Time-lapse, Event, Pre-Event, Panic
	Trigger Events	Alarm in, Audio detection, Motion detection, Trip-zone Tampering, Video loss
PLAYBACK	Search Mode/ Performance	Time-lapse, Event log, Motion, Text-in/ 4 channel HD synchronous playback
	Event Notification	Email(attach MP4), Callback to Remote S/W, Push Notification (IOS, Android), SNS (Twitter)
	Remote Data Export	Self Player, AVI, JPG
	Storage	RI04NVR-1P, RI08NVR-1P: 2 HDD, RI16NVR-1P: 6HDD + 4 e-SATA
NETWORK	Connection	Gigabit Ethernet (Remote) PoE Fast Switching Hub(IP Camera) x4(4CH)/ x8(8CH)/ x16(8CH)
	Camera Power	PoE (IEEE 802.3af) 4/8 ports
	Two-way Audio	Supports
	Client Viewers	CMS, Mobile, Web viewer
IN/OUT	Audio In/ Out	Local (NVR) : - / 1RCA + 1HDMI, IP Camera* : 4 / 8 / 16CH
	Alarm In / Out	Local(NVR) : 4 / 1 IP Camera* : 4/ 8/ 16
	Other	Serial Interface : RS232 (terminal block) , USB 2.0 x 2/ Mouse, IR Remote control

*depending on IP camera model

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RE16DVR-HP

- Hybrid DVR with 16 Analog Input Channels & 16 IP Input Channels
- Up to 480ips (NTSC) and 400ips (PAL) Real-time Recording @ D1 (all Channels) & up to 70ips @ 2MP for IP
- Multiple Monitor Connectors: 1 HDMI, 2 VGA, 2 BNC Video Out, 1 Spot
- Up to 5 HDDs internally, with e-SATA & iSCSI external storage supported

Monitoring

Video Inputs	16 x BNC (1.0 Vp-p, 75ohms) + 16 x IP Inputs
Video Outputs	Main Monitor: 1 x HDMI (HD), 1 x VGA (HD), 1 x BNC Secondary Monitor: 1 x VGA, 1 x BNC Spot Monitor: 1 x BNC (16 Channel Multiplexed) Loop Out: 16 x BNC (1.0Vp-p, 75ohms)
Display Rate	NTSC: 480ips@ D1 PAL: 400ips@ D1 IP (PAL / NTSC): 24ips @2MP(1920x1080), 400/480ips @CIF
Display Functions	Sequence, D. Zoom (x2, x4), Freeze, Covert Camera, Spot Monitoring, Color Control

Recording & Playback

Video Compression	H.264
Recording Rate	Analog: 480/400ips @ 4CIF (NTSC/PAL), IP: 70ips @ 2MP(1920x1080), 140ips@ 4CIF
Playback Rate	Analog: 480/400ips @ 4CIF (NTSC/PAL), IP: 24ips @ 2MP(1920x1080), 100/120ips@ 4CIF
Recording Mode	Time-lapse, Event, Pre-event (30min), Panic
Search Mode	Date/time, Record table, Calendar, Event, Motion, Museum, Text-In

Events

Recording Events	Motion Detection, Video Loss, Video Blind, Alarm-in, Text-in (ATM/POS)
Pre-Event Rec.	Up to 30 min
Event Action	Email, Notifying Remote S/W, Move PTZ, spot

System

Operating System	Embedded Linux
Storage	Internal storage: SATA hard disk drive (up to 5) (up to 4 with an eSATA hard disk drive) External storage: eSATA hard disk drive (RAID), iSCSI hard disk drive (RAID)
Data Export	USB, HDD, DVD±RW, Flash Drive
Firmware Upgrade	USB, Remote S/W

Network

Network Port	1x RJ-45 Gigabit Ethernet Port
Protocols	DVRNS, Static IP, DHCP, ADSL
Remote Software	iRAS, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	16 / 1 (RCA)
Alarm In / Out/ Reset	16 x TTL (NC/NO programmable) / 4 x Relays/ 1 TTL
Serial Interface	RS232 (DB9), RS485 (2-connector terminal block)
ATM, POS	Up to 10 Ch. (4x TCP/IP, RS232 or RS485)
External Interface	2 x USB 2.0, 1x eSATA, 1 x iSCSI

Security

Video Authentication	Chained Fingerprint Encryption
Access Rights	64 Groups, 256 users

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

Dimensions (W x H x D)	430 x 88 x 490 mm, 2U, Rack
Weight	10.4kg
Approvals	FCC, UL,CE,CB

Power

Power Source / Consumption	100 to 240 VAC, 2.0 – 1.0 A, 50/60Hz, / max. 100 watts

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RE16DVR-1S

- 16 - Channel Linux Based DVR
- Up to 480ips (NTSC) and 400ips (PAL) Real-time Recording @ D1 for all Channels
- Up to 3x SATA II HDDs with e-SATA External Storage Capability
- Video Management Software for Remote Viewing, Playback & Management

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Available with 8 CH

Monitoring

Video Inputs	16 x BNC (1.0 Vp-p, 75ohms)
Video Outputs	Main Monitor: 1 x HDMI (HD), 1 VGA (HD) Spot Monitor: 1 x BNC (Multi-Layout Display) Loop Out: 16 x BNC (1.0Vp-p, 75ohms)
Display Rate	NTSC: 480ips@ 1920 x 1080 PAL: 400ips@ 1920 x 1080
Display Functions	Sequence, D. Zoom, freeze, covert camera, spot monitoring, color control, On-Live Playback (Triplex Playback)

Recording & Playback

Video Compression	H.264
Recording Rate	NTSC (960/720): 336/480 ips @4CIF, 480 ips @CIF PAL (960/720): 280/400 ips @4CIF, 400 ips @CIF
Playback Rate	NTSC (960/720):80/480 ips at 4CIF, 480 ips @CIF PAL (960/720): 67/400 ips at 4CIF, 400 ips @CIF
Recording Mode	Time-Lapse, Event, Pre-Event (up to 30 min), Text-In, Panic
Search Mode	Date/Time, Record Table, Calendar, Event, Motion, Musuem, Text-in, Thumbnail, Bookmark, Digital Zoom

Events

Recording Events	Motion Detection, Video Loss, Video Blind, Alarm-in, Text-in (ATM/POS)
Pre/Post-Event Rec.	30 / 30 min
Event Action	Email, Notifying Remote S/W, Move PTZ, Spot, Callback

System

Operating System	Embedded Linux
Storage	Internal: SATA hard disk drive (up to 3) External: eSATA
Data Export	USB, HDD, DVD±RW, Flash Drive
Firmware Upgrade	USB, Remote S/W

Network

Network Port	1 x RJ-45 Gigabit Ethernet Port
Protocols	DVRNS, Static IP, DHCP, ADSL
Remote Software	iRAS, Web Browsing, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	4 x RCA / 1 x RCA, 1 x HDMI
Alarm In / Out / Reset	16 x TTL (NC/NO programmable) / 2 x Relays / 1x TTL
Serial Interface	RS232, RS485
ATM, POS	16 Channels
External Interface	2 x USB 2.0, 1 x eSATA

Security

Video Authentication	Chained Fingerprint encryption
Access Rights	64 Groups, 256 users

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

Dimensions (W x H x D)	430 x 88 x 400 mm
Weight	7.3kg
Approvals	FCC, UL, CE, CB

Power

Power Source	100-240 VAC, 1.2 ~ 0.6A, 50/60Hz
Power Consumption	Max. 75 watts

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RE16DVR-1E

- 16 - Channel Linux Based DVR
- Up to 480ips (NTSC) and 400ips (PAL) Real-time Recording @ D1(all Channels
- Up to 2 x SATA HDDs Internally
- Video Management Software for Remote Viewing, Playback & Management

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Available with 4 CH

Monitoring

Video Inputs	16 x BNC (1.0 Vp-p, 75ohms)
Video Outputs	1 HDMI (HD), 1 VGA (FHD)
Display Rate	NTSC: 480ips@ 1920 x 1080 PAL: 400ips@ 1920 x 1080
Display Functions	Sequence, D. Zoom (x2, x3, x4), Freeze, Covert Camera, Color Control

Recording & Playback

Video Compression	H.264
Recording Rate	NTSC (960/720): 336/480 ips @4CIF, 480 ips @CIF PAL (960/720): 280/400 ips @4CIF, 400 ips @CIF
Playback Rate	NTSC (960/720):67/480 ips at 4CIF, 480 ips @CIF PAL (960/720): 80/400 ips at 4CIF, 400 ips @CIF
Recording Mode	Time-Lapse, Event, Pre-Event (up to 30 min), Post Event (up to 30 min), Text-In, Panic
Search Mode	Date/Time, Record Table, Calendar, Event, Motion, Museum, Text-In, Mouse Shuttle, Bookmark, Thumbnail

Events

Recording Events	Motion Detection, Video Loss, Alarm-in, Text-in (ATM/POS)
Pre / Post-Event Rec.	30 / 30 min
Event Action	Email, Notifying Remote S/W, Move PTZ, Spot, Callback

System

Operating System	Embedded Linux
Storage	Internal: 2x SATA HDDs, External: USB: HDD, Flash drive
Data Export	Clip-Player (multi-channels), Configurations, System Log (TXT or Encryption)
Firmware Upgrade	USB, Remote S/W

Network

Network Port	1x RJ-45 Gigabit Ethernet Port
Protocols	Manual, ADSL, DHCP, FEN
Remote Software	iRAS, Web Browsing, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	4 x RCA / 1 x RCA, 1 x HDMI
Alarm In / Out	16 / 1
Serial Interface	RS232, RS485
ATM, POS	16 Channels
External Interface	2 x USB 2.0

Security

Video Authentication	Chained Fingerprint Encryption
Access Rights	64 Groups, 256 users

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

Dimensions (W x H x D)	300 x 62 x 231 mm
Weight	2.3kg
Approvals	KC, FCC, CE,PSE

Power

Power Source	12V, 5A Adapter
Power Consumption	Max. 60 watts

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RE4DVR-AS

- 4 - Channel Linux Based DVR
- Up to 120ips (NTSC) and 100ips (PAL) Real-time Recording @ D1 for all Channels
- Perfect Fit for ATM with half Rack size
- ATM / POS Interface, with Integration with 3rd Party ATM Models (Diebold Compatible)
- Up to 2 HDDs internally with USB: HDD, Flash drive external storage supported

Monitoring

Video Inputs	4 x BNC (1.0 Vp-p, 75ohms)
Video Outputs	1 HDMI, 1 VGA, 1 CVBS (SPOT)
Display Resolution	NTSC: 120ips @ 1920 x 1080 PAL:100ips @ 1920 x 1080
Display Functions	Sequence, D. Zoom (x2, x3, x4), Freeze, Covert Camera, Spot Monitor, Color Control

Recording & Playback

Video Compression	Video: H.264
Recording Rate	NTSC (960/720): 84/120ips @4CIF, 120ips @CIF PAL (960/720): 70/100ips @4CIF, 100ips @CIF
Playback Rate	NTSC (960/720):80/120ips at 4CIF, 120ips @CIF PAL (960/720): 67/100ips at 4CIF, 100ips @CIF
Recording Mode	Time-Lapse, Event, Pre-Event (up to 30 sec), Post Event (up to 30 min), Text-In, Panic
Search Mode	Date/Time, Record Table, Calendar, Event, Motion, Museum, Text-In

Events

Recording Events	Motion Detection, Video Loss, Alarm-in, Text-in (ATM/POS)
Pre/Post-Event Rec.	30 / 30 min
Event Action	Email, Notifying Remote S/W, Move PTZ, Spot, Callback

System

Operating System	Embedded Linux
Storage	Internal: 2 x SATA HDDs, External: USB: HDD, Flash drive
Data Export	Clip-Player (multi-channels), Configurations, System Log (TXT or Encryption)
Firmware Upgrade	USB, Remote S/W

Network

Network Port	1x RJ-45 Gigabit Ethernet Port
Protocols	Manual, ADSL, DHCP, DVRNS
Remote Software	iRAS, Web Browsing, Mobile Applications for Apple and Android
Remote Connections	Watch 10, Search 2, Admin 2

Interface

Audio In / Out	4 / 1
Alarm In / Out/ Reset	4 / 1 / 1
Serial Interface	RS232, RS485
Text-In	4 Channels
External Interface	2 x USB 2.0

Security

Video Authentication	Chained Fingerprint encryption
Access Rights	64 Groups, 256 users

Environmental

Operating Temperature	5°C ~ 40°C
Operating Humidity	0% ~ 90%

Physical

Dimensions (W x H x D)	220 x 88 x 297(mm)
Weight	3.4kg
Approvals	FCC, CE, KCC

Power

Power Source	AC 100-240 V, 50/60Hz
Power Consumption	Max. 50 watts

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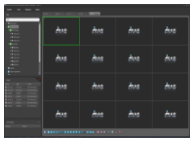
iRAS – Video Management Software

- Remote Software for IP Cameras and DVRs
- Devices Management, Live Monitoring, Playback and HDD Player
- Map integration and alarm notification
- High security with different authorities and access rights



Monitoring

Access Device	IP Cameras, DVRs
Max number of IP cameras (watch)	336; live tab: 256 / live popup: 64 / map instant viewer: 16
Max number of DVR (watch)	336; live tab: 256 / live popup: 64 / map instant viewer: 16
Max number of DVR (Search)	128 cameras; 4 connection channels
Max number of device registration	1024
Max number of Users	Unlimited
Authority	User group authority/ User group authority on Device/ Device access right
Supported OS	MS Windows XP or higher(Windows 7 and windows 8)

Device Management

Automatic Device Scan	yes
Pre-defined Layouts	Yes, Pre-defined Layout Sequences
Sequence	Pre-defined Layout Sequences, Pre-defined Camera Sequences
User Favorite Layouts	yes
Device Upgrade/ Setup	yes
Device Batch Upgrade / Setup	yes; multiple access

User Interface

Control Panels	Live, Play, Map, Event, Health, Status, Report
Panels on Multi Monitor	Yes, Floating Panels
Max number of Panels	4 for each [Live, Play], 2 for MAP - total max 10 1 for each[Report, Health, Status]
Screen Format	18 for Normal and 14 for Wide
Device health monitoring	yes; all devices
Langauge policy	Selectable

HDD Player

HDP	yes
Storage auto detect	yes
Multiple access	yes

Map Control

Position	live, map tab
Max number of control	96 (= 16 per one tab x (4 live tab + 2 map tab))
Map event spot	yes
Zoom control	yes
History Management	yes
Included in Save As Image	yes
Instant Viewer	16 cameras

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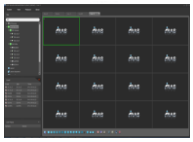
iRAS – Video Management Software



Remote Live

Mega-pixel video buffering	yes; IP cameras; up to 4 cameras per live screen
Interactive resolution control	yes; supported device only
Dynamic multi-stream control	yes; supported device only
Hotspot	yes
PTZ control	yes
Event Spot	yes
Color control	brightness, contrast, saturation, hue
Image processing	blur,sharpen, Eualize, Interpolation
Zoom control	yes; dynamic zoom
Two-way audio	yes
Alarm Out control	yes
Multi-Stream control	yes
Multi-Stream multi view	yes
Instant recording playback	yes
Instant recording	yes; panic recording; up to 64GB
Audio broadcasting	yes; supported device only
Multi-audio listening	yes; supported device only
Save as image	bmp, jpg, png
Print image	yes
Event monitoring	yes; all devices; option
Callback event monitoring	yes; all devices
Event alert camera bar	yes
Event sound	yes
Text-In overlay	yes

Remote Playback

Search Modes	Time-Lapse, Event, Text-In
Archived data search	yes
Zoom control	yes; dynamic zoom
Color control	brightness, contrast, saturation, hue
Image processing	blur, sharpen, equalize, highboost, edge detection
Data export	avi, bmp, jpg, png, minibank/clip player
AVI export codec	mpeg4, mjpeg, flv, swf
Print image	yes
Text-In overlay	yes
Audio play	yes
Time-lapse search	yes
Motion/Object search	yes; multiple camera
A-B save as video	yes
Jump step playback	yes; 1frame, 1, 5, 10, 15, 30, 60 min
Snapshot on motion	yes
Still image search	yes
Event on play	yes

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REXN700- 4P

- 700 TVL Extreme High Resolution
- True Day & Night (ICR)
- ATR, DNR, Motion Detection & Privacy Masking
- Dual Power DC12V/ AC24V Power operation

Module

Resolution	700 TVL
Image Device	1/3" SONY EXview HAD CCD Ⅱ
Total Pixels	NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 596(V)
Effective Pixels	NTSC: 976(H)x494(V) / PAL: 976 (H) x 582(V)
Day & Night Mode	ICR
Min. Illumination	0.15 lux (COLOR) / 0.01 lux (BW)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	More than 50dB (AGC off)

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec, PAL:1/50 ~ 100,000
ATR	Yes (Luminance, Contrast)
Day & Night	Color / BW / Auto
DNR	OFF / Y / C / Y,C
BLC	OFF / BLC / HLC
Display Title	A ~ Z / 0 ~ 9, Camera ID: 0 ~ 255
AGC Control	OFF / ON
Motion Detection	On (4 areas) / Off Adjustable Size & Sensitivity
Privacy Masking	0 ~ 4 zone
White Balance	ATW / PUSH / USER1 / USER2 /ANYICR / MANUAL / PUSH LOCK
Exposure	Auto Iris / Auto Iris+Electronic Shutter
Hue	0 ~ 255 steps
Contrast	0 ~ 255 steps
Brightness	0 ~ 255 steps
Sharpness	0 ~ 255 steps
Gain	0 ~ 255 steps
Digital Image Effect	Mirror (On/ Off)
Language	ENG / JAP/ GER/ FRE/ RUS/ POR/ SPA
White Pixel Detection	OSD Key
Mirror	ON / OFF
Camera Control	Internal OSD Key

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Inputs	2-pin Terminal Block
Auto Iris Output	4-Pin Mini Din jack (standard connection)

Electrical

Power Source	DUAL (DC 12V±10% / AC24V±10%)
Power Consumption	3W (250mA)

Mechanical

Dimensions (W x H x D)	66mm x 63mm x 120mm
Weight	440g
Lens Mount	C/CS
Approvals	CE

Environmental

Operating Temperature	-10℃ ~ +50℃
Operating Humidity	0 ~ 96 % RH

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REXN700- 3P

- 700 TVL Extreme High Resolution
- True Day & Night (ICR)
- ATR, DNR, Motion Detection & Privacy Masking
- AC 100~240V Power Operation

Module

Resolution	700 TVL
Image Device	1/3" SONY EXview HAD CCD Ⅱ
Total Pixels	NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 596(V)
Effective Pixels	NTSC: 976(H)x494(V) / PAL: 976 (H) x 582(V)
Day & Night Mode	ICR
Min. Illumination	0.15 lux (COLOR) / 0.01 lux (BW)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	More than 50dB (AGC off)

Camera

Electronic Shutter	NTSC: 1/60 ~ 1/10,000 sec, PAL:1/50 ~ 100,000
ATR	Yes (Luminance, Contrast)
Day & Night	Color / BW / Auto
DNR	OFF / Y / C / Y,C
BLC	OFF / BLC / HLC
Display Title	A ~ Z / 0 ~ 9, Camera ID: 0 ~ 255
AGC Control	OFF / ON
Motion Detection	On (4 areas) / Off Adjustable Size & Sensitivity
Privacy Masking	0 ~ 4 zone
White Balance	ATW / PUSH / USER1 / USER2 /ANYICR / MANUAL / PUSH LOCK
Exposure	Auto Iris / Auto Iris+Electronic Shutter
Hue	0 ~ 255 steps
Contrast	0 ~ 255 steps
Brightness	0 ~ 255 steps
Sharpness	0 ~ 255 steps
Gain	0 ~ 255 steps
Digital Image Effect	Mirror (On/ Off)
Language	ENG / JAP/ GER/ FRE/ RUS/ POR/ SPA
White Pixel Detection	OSD Key
Mirror	ON / OFF
Camera Control	Internal OSD Key

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Inputs	2-pin Terminal Block
Auto Iris Output	4-Pin Mini Din jack (standard connection)

Electrical

Power Source	AC 100~240V 50Hz±10%
Power Consumption	4W

Mechanical

Dimensions (W x H x D)	66mm x 63mm x 120mm
Weight	440g
Lens Mount	C/CS
Approvals	CE

Environmental

Operating Temperature	-10℃ ~ +50℃
Operating Humidity	0 ~ 96 % RH

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REVD700IR-1P

- 700 TVL Extreme Resolution IR Vandal Dome for extreme weather conditions
- True Day & Night (ICR), 30 IR LEDs
- 0.0002Lux, 0Lux (IR LED ON)
- Vandal Proof, IP68 Certified & meets IP69K Standards

Module

Resolution	700 TVL
Image Device	1/3" SONY Super HAD Ⅱ (Double Scan) CCD
Total Pixels	NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 596(V)
Effective Pixels	NTSC: 976(H) x 494(V) / PAL: 976(H) x 582(V)
Day & Night Mode	ICR & DSS
Min. Illumination	0.3 Lux (Color) , 0.1 Lux, 0 Lux (IR LEDs ON) (BW), 0.0005 Lux (DSS), 0.0002 Lux (BW & DSS)
Scanning System	2:1 Interlace
Sync. System	Internal / External (V-Lock)
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	More Than 50dB (AGC Off)
IR LED	IR LED 30EA, wavelength: 850nm, Range: 20-25m

Lens

Focal Length	Varifocal 2.8mm-11mm
Lens Type	DC/ELC Selectable , Apperture: F1.4 ~ 360

Camera

Electronic Shutter	Normal ~ 1/100,000 sec
White Balance	ATW / One Push / Indoor / Outdoor / Manual / Auto
WDR	Off / On
Day & Night	Day / Night / Auto / Ext
DNR	Off / Manual / Auto
BLC	HLC / BLC
HR	Off / 1 ~ 7 steps
OSD	Yes (Built in Joystick Button)
Digital Slow Shutter	Off / Max x2 ~ x512
AGC Control	Off / On (Max 30dB)
Motion Detection	Off / On (3 positions)
Object Detection	Off/ On
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	Off / On (16 positions)
Digital PTZ	D.Pan/ D.Tilt/ D-Zoom (Max x2 ~ x32)
Digital Image Effect	Mirror (Off / V / H / H&V) / Sharpness (1 ~ 16 steps) / Effect (Off / Negative / B/W) / Freeze / E.Zoom /////
Smart D-Zoom	Off / On
Special	Sync / Phase / DIS / Defect Det / Scene Mode / Comm
Blemish Compensation	Auto(512POINT)
Defect Adjustment	Off / On (selectable)
Brightness	1 ~ 15 steps
Exposure	Auto / Shutter PRI / Manual
Lens	DC / Video / Manual
Phase	0 ~ 131 steps 0 ~ 156 steps
Scene Mode	User / Normal / Traffic / Back Light / Day/Night / Casino

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Input	DC Jack, 2-Pin connector

Electrical

Power Source	DC12V / AC24V, Heater: AC24V
Power Consumption	150mA, 280mA (IR LED ON), 700mA (Heater/IR LED ON)

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REVD700IR-1P

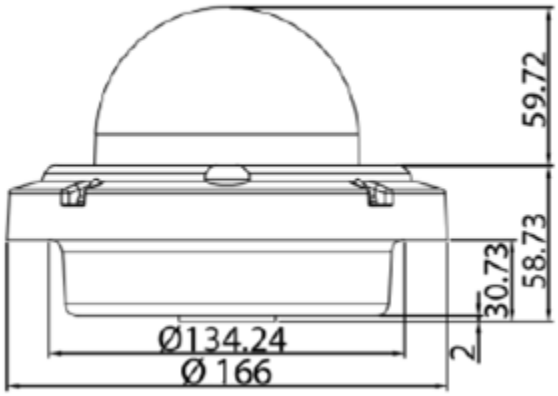
Mechanical

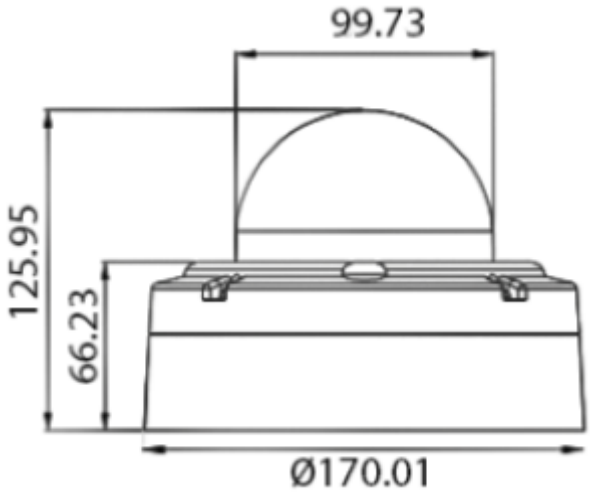
Dimensions (ø x H)	150mm x 100mm, Bubble (ø): 100mm
Weight	1.5Kg
Approvals	CE, FCC

Environmental

Operating Temperature	-55°C ~ +60°C
Operating Humidity	0% ~ 86% (non-condensing)
Ingress Protection	IP69

External Dimensions (mm)





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REVD700IR-5P

- 700 TVL Extreme Resolution IR WDR Vandal Dome
- True Day & Night (ICR), 28 IR LEDs
- 0.000006 LUX (IR LED ON)
- Powerful WDR, Motion Detection, Privacy Masking, 2D & 3DNR, Digital Zoom

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD Dual Scan CCD
Total Pixels	NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 595(V)
Effective Pixels	NTSC: 976(H) x 494(V) / PAL: 976(H) x 582(V)
Day & Night Mode	ICR & DSS
Min. Illumination	0.000006Lux (IR OFF, Sens-Up 256x) / 0Lux (IR LED ON)
Scanning System	2:1 Interlace, Double Scan
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	52dB
IR LED	IR LED 28EA, ø5, wavelength: 850nm, Range: 30m

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	AUTO (1/50sec, 1/60sec ~ 1/100,000sec)
White Balance	SET/Manual(1,800K ~ 10,500K) ATW / Push / User1 / User2 / AntiCR/Manual / Push lock
WDR	OFF / Low / Middle / High
Day & Night	COLOR, AUTO (EXT ON/OFF)
DNR (2D or 3D)	OFF / LOW / MIDLOW / MID / MIDHIGH (2D+3D)
BLC	OFF / HLC / BLC
OSD	Yes
Sense-Up	AUTO (x2~ x512) / Level Adjustable (MAX 42dB)
AGC	OFF / ON(Very Low) /Low / Middle / High / Very High / User / Fix
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (15 Zones)
Digital Zoom	X16
Digital Image Effect	Mirror (OFF , V-FLIP, H-FLIP, HV-FLIP)
Blemish Compensation	Auto(512POINT)
OSD	Yes (Built in Joystick Button)
IR OPT (SMART- IR, ATR WD-EX)	SMART- IR(AUTO, CENTER Adjustable) , ATR WD-EX ON/OFF
Defect Adjustment	Auto: 64 Points
Sharpness	0 ~15 Level Adjustable
Language	English, Japanese, German, French, Russian, Portuguese, Spanish
Camera ID	54 Character. 1 Line

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Input	DC jack

Electrical

Power Source	DC12V
Power Consumption	IR LED ON: 6W Max / OFF: 2.4W Max

Mechanical

Dimensions (ø x H)	150mm x 100mm, Bubble (ø): 100mm
Weight	1400g
Approvals	CE

Environmental

Operating Temperature	-10 ~ +60 Deg C.
Operating Humidity	20% ~ 95% RH
Ingress Protection	IP67

Design and specifications are subject to change without notice – 13NO-1

REVD700IR-4P

- 700 TVL Extreme Resolution IR Vandal Dome
- True Day & Night (ICR), 28 IR LEDs
- 0.00001Lux, 0Lux (IR LED ON)
- D-WDR, Motion Detection, Privacy Masking, 3 DNR, Digital Zoom

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD 960H CCD
Total Pixels	NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 596(V)
Effective Pixels	NTSC: 976(H) x 494(V) / PAL: 976(H) x 582(V)
Day & Night Mode	ICR & DSS
Min. Illumination	0.00001Lux (IR OFF, Sens-Up 256x) / 0Lux (IR LED ON)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	52dB
IR LED	IR LED 28EA, ø5, wavelength: 850nm, Range: 30m

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	AUTO (1/50sec, 1/60sec ~ 1/100,000sec)
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR	Indoor / Outdoor / Off
Day & Night	Auto (AGC) / Day / Night / EXT
DNR (2D or 3D)	1~200 Level Adjustable
BLC	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto(x2~x256)
AGC Control	High/ Middle/ Low (Selectable)
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Digital Zoom	On (x1~x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / ROTATE / PIP)
Smart D-Zoom	Off / On
DEFOG	OFF / MANUAL / AUTO
Blemish Compensation	Auto(512POINT)
Defect Adjustment	Off / On (selectable)
Sharpness	0~31 Level Selectable
Language	English
Camera ID	54 Character. 1 Line

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Input	DC jack

Electrical

Power Source	DC12V
Power Consumption	IR LED ON: 6W Max / OFF: 2.4W Max

Mechanical

Dimensions (ø x H)	150mm x 100mm, Bubble (ø): 100mm
Weight	1400g
Approvals	CE

Environmental

Operating Temperature	-20º ~ +60º
Operating Humidity	20% ~ 95% RH
Ingress Protection	IP67

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RECDH2812IR-1P

- 700 TVL Extreme Resolution IR Dome
- True Day & Night (ICR), 28 IR LEDs
- 0.00001Lux, 0Lux (IR LED ON)
- D-WDR, 3DNR, Motion Detection & Privacy Masking

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD 960H CCD
Total Pixels	NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 596(V)
Effective Pixels	NTSC: 976(H) x 494(V) / PAL: 976(H) x 582(V)
Day & Night Mode	ICR & DSS
Min. Illumination	0.00001Lux (IR OFF, Sens-Up 256x) / 0Lux (IR LED ON)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	52dB
IR LED	IR LED 28EA, ø5, wavelength: 850nm, Range: 30m

Lens

Focal Length	Varifocal 2.8mm-12mm
Lens Type	DC Auto Iris

Camera

Electronic Shutter	AUTO (1/50sec, 1/60sec ~ 1/100,000sec)
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR	Indoor / Outdoor / Off
Day & Night	Auto (AGC) / Day / Night / EXT
DNR (2D or 3D)	1~200 Level Adjustable
BLC	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto(x2~x256)
AGC Control	High/ Middle/ Low (Selectable)
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Digital Zoom	On (x1~x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / ROTATE / PIP)
Smart D-Zoom	Off / On
DEFOG	OFF / MANUAL / AUTO
Blemish Compensation	Auto(512POINT)
Defect Adjustment	Off / On (selectable)
Sharpness	0~31 Level Selectable
Language	English
Camera ID	54 Character. 1 Line

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Input	DC jack

Electrical

Power Source	DC12V
Power Consumption	IR LED ON: 6W Max / OFF: 2.4W Max

Mechanical

Dimensions (ø x H)	130mm x 100mm, Bubble (ø): 80mm
Weight	600g
Approvals	CE

Environmental

Operating Temperature	-20º ~ +60º
Operating Humidity	20% ~ 95% RH

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RCDS30-3P

- 700 TVL Extreme Resolution IR Dome
- True Day & Night (ICR), 30 IR LEDs
- 0 Lux (IR LED ON)
- AGC, AWB, BLC, Built in MIC

Module

Resolution	700 TVL
Image Device	1/3" color CMOS Image Sensor
Total Pixels	NTSC: 960(H) 576(V) / PAL: 960 (H) 480(V)
Day & Night Mode	ICR
Min. Illumination	0 Lux (IR On)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	More than 48dB
IR LED	IR LED 30EA, Wavelength: 850nm, Range: 25m
Gamma	0.45

Lens

Focal Length	3.6mm Fixed lens

Camera

Electronic Shutter	NTSC:1/60 ~ 1/10,000, PAL:1/50 ~ 1/10,000
Day & Night	Auto IR Sync
BLC	Yes
White Balance	Yes
AES (Auto Electronic Shutter)	Yes
Flickerless	Yes
AGC Control	Auto
Built-in Mic	Yes, Sensitivity: 58dB

Connectors

Video Output	1.0Vp-p, 75Ω ,BNC
Audio Output	1.0Vp-p, 10k Ohms, RCA
Power Input	DC Jack

Electrical

Power Source	DC12V±10%, 60mA (IR LED: Off) / 300mA (IR LED: On)
Power Consumption	4 Watts

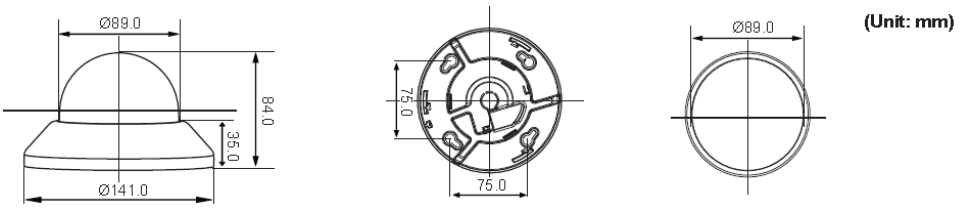
Mechanical

Dimensions (Ø x H)	141mm x 84mm, Bubble Ø: 89mm
Weight	220g
Approvals	CE, FCC

Environmental

Operating Temperature	-10℃ ~ +50℃
Operating Humidity	0 ~ 70% RH

External Dimensions (mm)



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RECBH2812-3P

- 700 TVL Extreme Resolution Vandal IR Bullet
- True Day & Night (ICR), 56 IR LEDs
- 0.00001Lux / 0Lux (IR LED ON)
- D-WDR, 3DNR, Motion Detection & Privacy Masking

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD II 960H CCD
Total Pixels	NTSC: 1020(H) 508(V) / PAL: 1020(H) 596(V)
Effective Pixels	NTSC: 976 (H) 494 (V) / PAL: 976 (H) 582(V)
Day & Night Mode	ICR & DSS
Min. Illumination	0.00001Lux (IR OFF, Sens-Up 256x) / 0Lux (IR LED ON)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	52dB
IR LED	IR LED 56EA, ø5, wavelength: 850nm, Range: 40m

Lens

Focal Length	Varifocal 2.8-12mm
Lens Type	DC Auto Iris Varifocal Lens

Camera

Electronic Shutter	AUTO (1/50sec, 1/60sec ~ 1/100,000sec)
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR	Indoor / Outdoor / Off
Day & Night	Auto (AGC) / Day / Night / EXT
DNR (2D or 3D)	1~200 Level Adjustable
BLC	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto(x2~x256)
AGC Control	High/ Middle/ Low (Selectable)
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Digital Zoom	On (x1~x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / ROTATE / PIP)
Smart D-Zoom	Off / On
DEFOG	OFF / MANUAL / AUTO
Blemish Compensation	Auto (512 points)
Defect Adjustment	Off / On (selectable)
Sharpness	0~31 Level Selectable
Language	English
Camera ID	54 Character. 1 Line

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Input	DC jack

Electrical

Power Source	DC12V
Power Consumption	IR LED ON: 10.8W Max / IR OFF: 2.4W Max

Mechanical

Dimensions (W x H x D)	102mm x 95mm x 275mm
Weight	1700g
Approvals	CE

Environmental

Operating Temperature	-20℃ ~ +60℃
Operating Humidity	20% ~ 95% RH
Ingress Protection	IP67

Design and specifications are subject to change without notice – 13NO-1

RECBH0550-1P

- 700 TVL Extreme Resolution Vandal IR Bullet
- True Day & Night (ICR), 56 IR LEDs
- 0.00001Lux / 0Lux (IR LED ON)
- D-WDR, 3DNR, Motion Detection & Privacy Masking

Module

Resolution	700 TVL
Image Device	1/3" Sony Super HAD II 960H CCD
Total Pixels	NTSC: 1020(H) 508(V) / PAL: 1020(H) 596(V)
Effective Pixels	NTSC: 976 (H) 494 (V) / PAL: 976 (H) 582(V)
Day & Night Mode	ICR & DSS
Min. Illumination	0.00001Lux (IR OFF, Sens-Up 256x) / 0Lux (IR LED ON)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	52dB
IR LED	IR LED 56EA, ø5, wavelength: 850nm, Range: 40m

Lens

Focal Length	Varifocal 5-50mm
Lens Type	DC Auto Iris Varifocal Lens

Camera

Electronic Shutter	AUTO (1/50sec, 1/60sec ~ 1/100,000sec)
White Balance	ATW / AWB / AWC->SET / Manual (1,800K ~ 11,000K)
D-WDR	Indoor / Outdoor / Off
Day & Night	Auto (AGC) / Day / Night / EXT
DNR (2D or 3D)	1~200 Level Adjustable
BLC	OFF / HLC / BLC
OSD	Yes (Built in Joystick Button)
Sense-Up	Off / Auto(x2~x256)
AGC Control	High/ Middle/ Low (Selectable)
Motion Detection	On / Off (4 Zones)
DIS (Digital Image Stabilizer)	On / Off
Privacy Masking	On / Off (8 Zones)
Digital Zoom	On (x1~x32)/ Off
Digital Image Effect	Mirror (H-Rev / V-Rev / ROTATE / PIP)
Smart D-Zoom	Off / On
DEFOG	OFF / MANUAL / AUTO
Blemish Compensation	Auto (512 points)
Defect Adjustment	Off / On (selectable)
Sharpness	0~31 Level Selectable
Language	English
Camera ID	54 Character. 1 Line

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Input	DC jack

Electrical

Power Source	DC12V
Power Consumption	IR LED ON: 10.8W Max / IR OFF: 2.4W Max

Mechanical

Dimensions (W x H x D)	102mm x 95mm x 275mm
Weight	1700g
Approvals	CE

Environmental

Operating Temperature	-20℃ ~ +60℃
Operating Humidity	20% ~ 95% RH
Ingress Protection	IP67

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RCBS30-3P

- 700 TVL Extreme Resolution Vandal IR Bullet
- True Day & Night (ICR), 30 IR LEDs
- 0 Lux (IR LED ON)
- AGC, AWB, BLC, Built in MIC

Module

Resolution	700 TVL
Image Device	1/3" color CMOS Image Sensor
Total Pixels	NTSC: 960(H) 576(V)/ PAL: 960 (H) 480(V)
Day & Night Mode	ICR
Min. Illumination	0 Lux (IR On)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC: 15.734KHz(H), 59.94Hz(V), PAL: 15.625KHz(H),50Hz(V)
S/N (Y Signal)	More than 48dB
IR LED	IR LED 30EA, Wavelength: 850nm, Range: 25m
Gamma	0.45

Lens

Focal Length	3.6mm Fixed lens

Camera

Electronic Shutter	NTSC:1/60 ~ 1/10,000, PAL:1/50 ~ 1/10,000
Day & Night	Auto IR Sync
BLC	Yes
White Balance	Yes
AES (Auto Electronic Shutter)	Yes
Flickerless	Yes
AGC Control	Auto
Built-in Mic	Yes, Sensitivity: 58dB

Connectors

Video Output	1.0Vp-p, 75Ω ,BNC
Audio Output	1.0Vp-p, 10k Ohms, RCA
Power Input	DC Jack

Electrical

Power Source	DC12V±10%, 60mA (IR LED: Off)/ 300mA (IR LED: On)
Power Consumption	4 Watts

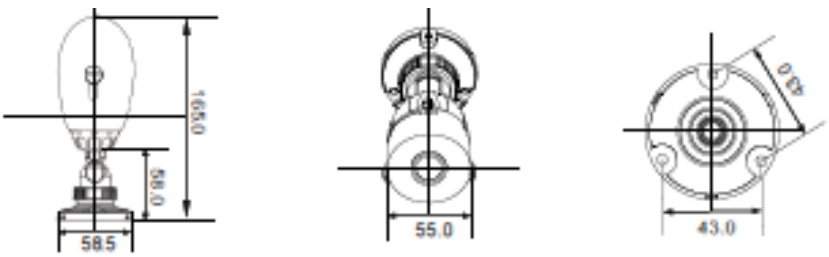
Mechanical

Dimensions (Ø x L)	55mm x 165mm
Weight	318g
Approvals	CE, FCC

Environmental

Operating Temperature	-10℃ ~ +50℃
Operating Humidity	0 ~ 70% RH
Ingress Protection	IP66

External Dimensions (mm)



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RESAPTZ36-2P

- 36x Optical Zoom
- 700TVL Extreme Resolution
- True Day & Night (ICR), 0.00001 Lux Sensitivity
- WDR , BLC, 3DNR, DIS, Auto Exposure and Auto White Balance

Shown with Optional Wall Mount and Power Box

Video

Resolution	700 TVL
Image Device	1/4" 960H Exview HAD CCD
Total Pixels	NTSC: 1020 (H) x 508 (V), PAL:1020 (H) x 596 (V)
Effective Pixels	NTSC: 976 (H) x 494 (V), PAL: 976 (H) x 582 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC:15.734KHz(H),59.94Hz(V) , PAL: 15.625KHz(H),50Hz(V)
Day & Night Mode	ICR & DSS
Min. illumination	Color: 0.1 Lux, B/W & Low Shutter: 0.00001 Lux
S/N (Y signal)	More Than 50dB (AGC OFF)

Lens

Zoom Ratio	36x (optical), 16x (Digital)
Focal Length	3.4mm (Wide) ~ 122.4mm (Tele)
Max. Aperture Ratio	F1.6 (Wide) ~ F3.7 (Tele)
Angular Field of View	49.5˚ (H) ~ 2.4˚ (H)
Focus	Auto / Color / BW / Global

Pan/Tilt

Pan Range	360˚ Endless
Pan Speed	0.1° to 380°/sec
Tilt Range	-10° to 190° (Digital-flip ON)
Tilt speed	Preset: 380˚/sec, Manual: Max 300˚/sec (Turbo)
Preset Positions	240
Auto Scan / Pattern / Tour	1 Auto Pan & 16 Auto Scan / 8 / 8

Camera

Day & Night	Auto / Color / BW / Global
Motion Detection	Yes
Backlight Compensation	MIN / LOW / MID / HIGH
Privacy Masking	8
White Balance	AWB/ WAWB/ Indoor/ Outdoor/ Manual
Electronic Shutter Speed	Normal ~ 1/100,000
Wide Dynamic Range	On / Off
AGC	MIN / LOW / MID / HIGH
Digital Zoom	16x
Digital Slow Shutter	On / Off (Max. 512x)
Digital Noise Reduction	2D / 3D
Digital Image Stabilization	On / Off
Protocol	F2, F2E, Pelco D, Pelco P, Ernitec, Philips (Bosch), Vicon, Sensormatic
On Screen Display	English, French, German, Italian, Spanish, Polish, Portuguese
Camera Title	On / Off (6 Character)

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RESAPTZ36-2P

Shown with Optional Wall Mount and Power Box

Connectors

Video Output	1 x BNC (1.0Vp-p, 75ohms)
Alarm	8 Input, 4 Output
Power Input	2-pin Terminal Block
Camera Control	Built-in RS-485/RS-422

Electrical

Input voltage	AC24V
Power consumption	20W for Dome, 52.4W for Heater & Fan

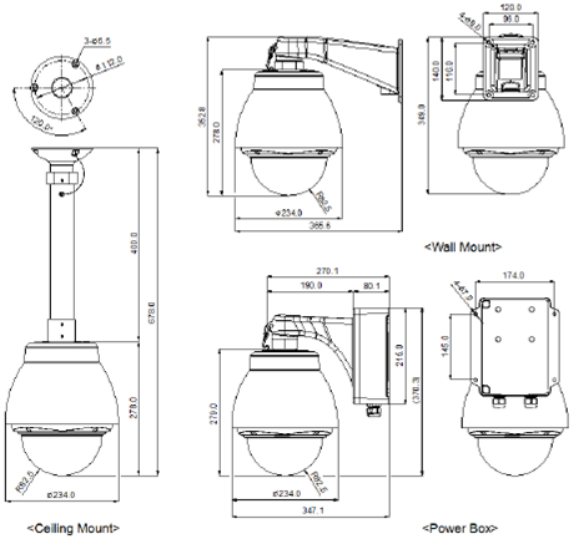
Environmental

Operating Temperature	-50°C ~ 50°C
Humidity	0 ~ 90% RH (non-condensing)
Ingress Protection	IP66
Heater/ Blower	Yes / Yes

Mechanical

Dimensions	Φ234 x 278 (H) mm
Weight	4.0 Kg
Approvals	CE, EMC, FCC CLASS A

External Dimensions (mm)



Design and specifications are subject to change without notice – 13NO-1

RESAPTZ36IR-2P

- 36x Optical Zoom
- 700TV Lines Extreme Resolution, IR Vandal PTZ
- True Day & Night (ICR), 0 Lux Sensitivity
- WDR , BLC, 3DNR, DIS, Auto Exposure and Auto White Balance

Video

Resolution	700 TVL
Image Device	1/4" 960H Exview HAD CCD
Total Pixels	NTSC: 1020 (H) x 508 (V), PAL:1020 (H) x 596 (V)
Effective Pixels	NTSC: 976 (H) x 494 (V), PAL: 976 (H) x 582 (V)
Scanning System	2:1 Interlace
Sync. System	Internal
Scanning Freq.	NTSC:15.734KHz(H),59.95Hz(V) , PAL: 15.625KHz(H),50Hz(V)
Day & Night Mode	ICR
Min. illumination	Color: 0.1 Lux, B/W & Low Shutter: 0.00001 Lux (50 IRE)
S/N (Y signal)	More Than 50dB
Video Output	1 x BNC (1.0 Vp-p, 75 Ω Composite)

Lens

Zoom Raito	36x (optical), 16x (Digital)
Focal Length	3.4mm (Wide) ~ 122.4mm (Tele)
Max. Aperture Ratio	F1.6 (Wide) ~ F4.5 (Tele)
Min. Object Distance	1m
Angular Field of View	56.0˚ (H) ~ 1.9˚ (H)
Focus	Auto / Manual / One Push / Constant Manual

Pan/Tilt

Pan Range	360˚ Endless
Pan Speed	Preset: 380˚/sec, Manual: Max 380˚/sec (Turbo)
Tilt Range	0 ~ 90˚ (Auto Flip)
Tilt speed	Preset: 380˚/sec, Manual: Max 300˚/sec (Turbo)
Preset Positions	240
Auto Scan / Pattern / Tour	1 Auto Pan & 16 Auto Scan / 8 / 8

Camera

Day & Night	Auto / Color / BW / Global
Motion Detection	Yes
Backlight Compensation	On / Off
Privacy Masking	8
White Balance	AWB / WAWB / Indoor / Outdoor / Manual
Electronic Shutter Speed	NTSC: 1/60 ~ 1/100,000, PAL: 1/50 ~ 1/100,000
Wide Dynamic Range	On / Off
AGC	MIN / LOW / MID / HIGH
Alarm	2 Input, 1 Output
Digital Slow Shutter	On / Off (Max. 512x)
Digital Noise Reduction	2D / 3D
Digital Image Stabilization	On / Off
Protocol	Pelco-P, Pelco-D, Fastrax II, Fastrax IIE, Vicon, Ernitec, Philips
On Screen Display	English (7 Language)
Camera Title	On / Off (6 Character)

Connectors

Video Output	CVBS 1.0Vp-p, 75Ω
Power Input	2-pin Terminal Block
Camera Control	RS485

Electrical

Input voltage	12VDC
Power consumption	40W

Environmental

Operating Temperature	-40 ~ 50℃
Humidity	0 ~ 90% RH (non-condensing)
Ingress Protection	IP 66

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REVDPTZ22-4P

- 22x Optical Zoom
- 700TVL Extreme Resolution
- True Day& Night (ICR function), 0.00001 Lux Sensitivity
- WDR , BLC, 3DNR, DIS, Auto White Balance, Motion Detection and Privacy Masking
- Vandal Proof Casing, IP66

Video

Resolution	700 TVL
Image Device	1/4" Type Sony Super HAD CCD II
Total Pixels	NTSC: 1020(H)x508(V) , PAL:795(H)x595(V)
Effective Pixels	NTSC:976(H)x494(V), PAL: 976(H)x582(V)
Scanning System	2:1 Interlace
Sync. System	Internal / External
Scanning Freq.	NTSC :15.734KHz(H),59.95Hz(V) , PAL: 15.625KHz(H),50Hz(V)
Day & Night Mode	700 TVL
Min. illumination	Color : 0.1 Lux, B/W & Slow Shutter : 0.00001 Lux
S/N (Y signal)	More Than 50dB (AGC Off)

Lens

Zoom Ratio	22x (optical), 16x (Digital)
Focal Length	3.9mm (Wide) ~ 85.8mm (Tele)
Max. Aperture Ratio	F1.6 (Wide) ~ F3.7 (Tele)
Angular Field of View	3.9mm - 49.5˚ (H) / 85.8mm - 2.4˚ (H)
Focus	Auto / Manual / One Push / Constant Manual

Pan/Tilt

Pan Range	360˚ Endless
Pan Speed	Preset : 380˚/sec, Manual : Max 380˚/sec (Turbo)
Tilt Range	0° ~ 180°
Tilt speed	Preset : 380˚/sec, Manual : Max 300˚/sec (Turbo)
Preset Positions	240
Auto Scan / Tour / Pattern	1 Auto Pan & 16 Auto Scan / 8 / 8

Camera

Day & Night	Auto / Color / BW / Global
Motion Detection	Yes
Backlight Compensation	Off / BLC / HLC
Privacy Masking	8
White Balance	AWB / WAWB / Indoor / Outdoor / Manual
Electronic Shutter Speed	PAL:1/50 ~ 100,000 , NTSC :1/60 ~ 100,000
Wide Dynamic Range	Off / On
AGC	MIN / LOW / MID / HIGH
Alarm	4 Input, 1 Output (5V TTL)
Digital Slow Shutter	Off / On (Max 512X)
Digital Noise Reduction	2D / 3D
Digital Image Stabilization	Off / On
Protocol	Pelco-P, Pelco-D, Fastrax II, Fastrax IIE
On Screen Display	English, French, German, Italian, Spanish, Polish, Portuguese
Camera Title	Off / On (6 Character)

Connectors

Video Output	1.0 Vp-p, 75 Composite
Power Input	2-pin Terminal Block
Alarm Input / Output	4 / 1
Camera Control	RS485

Electrical

Input voltage	24VAC / 12VDC
Power consumption	12W

Environmental

Operating Temperature	-10 ~ 50℃
Humidity	0 ~ 90% RH (non-condensing)
Ingress Protection	IP66

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REJCPTZ-1P

- Jog Dial for smoother Control of DVR
- Recalls up to 508 Cameras from One Keyboard
- 3-Axis Joystick Control of PTZ Functions with Stylish Design
- Excellent System Compatibility with Multiple protocols

Keyboard

LCD	16x 2 Character LCD
Joystick	Yes [3-Axis]
Jog & Shuttle	Yes
PTZ Control	Pan / Tilt / Zoom : Joystick Zoom / Focus / Iris : Key Switches
ID Selectable [Dome1,2]	Up to 254 [64 with Alarm check]
Multiplexer Control	Yes
DVR Control	Yes
Multi-User Support	4 [1 Master/ 3 Slave]
Communications	RS-485/232 baud rate: 2400 ~38400 bps (default:9600bps)
Dome1 Port (RS-485)	Up to 127 dome cameras including 32 Alarm mode on
Dome2 Port (RS-485)	Up to 127 dome cameras including 32 Alarm mode on /SLAVE KEYBOARD /DVR/ Multiplexer
RS-232	DVR / Upgrade
Input Voltage	12 VDC
Power Consumption	6W

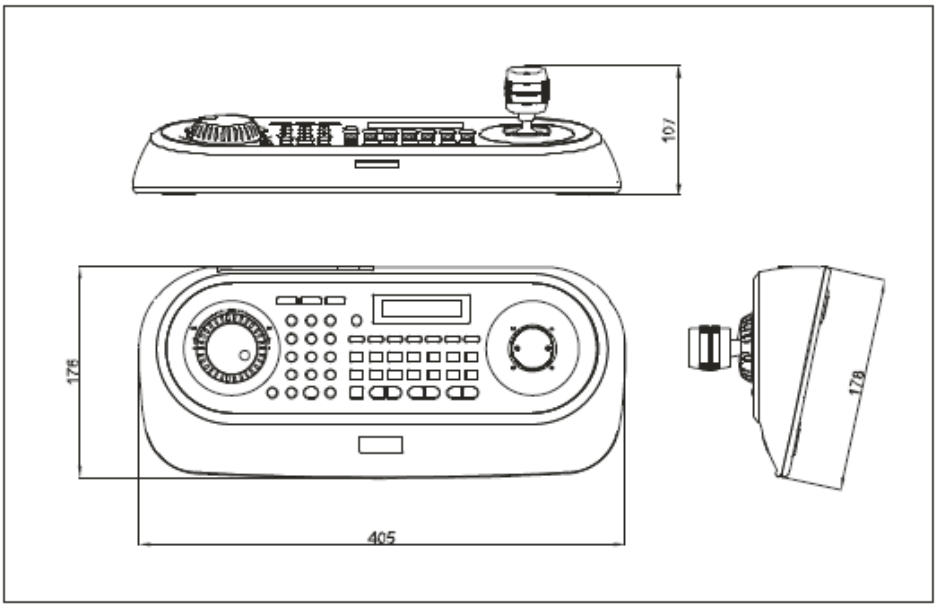
Mechanical

Dimensions	405mm x176mm x107mm
Weight	1.2Kg

Environmental

Temperature	0˚C ~ +50˚C
Humidity	0 ~ 90% RH (non-condensing)

External Dimensions (mm)



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A121L

- External IR LED's
- 60 Illumination (850nm)
- Easy Installation Multiple Axis Bracket
- Dual Power (AC24V/DC12V)

General

Sensor	Built in CDS Photocell

IR LED

IR LED	60 LEDs
IR LED visible range (optimum)	80-120 m
LED Size	Ø= 10mm
Wavelength	850mm
Light Level (IR LEDs On)	5~10 Lux
IR Intensity	Adjustable
IR Beam Angle	20°

Output

External Trigger	2-Wire Relay Output, 0V

Mechanical

Dimensions (W x H x D)	190mm x 133mm x 254mm
Weight	1.68Kg

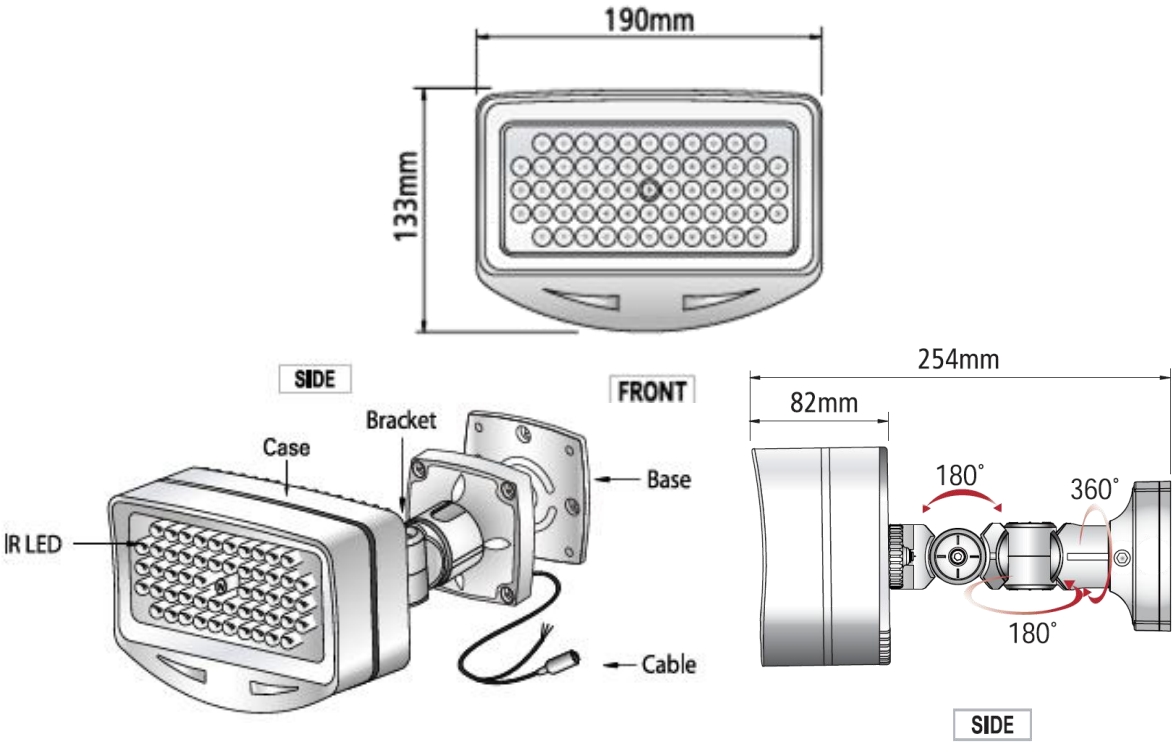
Electrical

Power Source	AC 24V/DC 12V
Power Consumption	AC24V: 12W, DC12V: 11.4W

Environmental

Temperature	-20˚C ~ +60˚C
Humidity	95% RH MAX
Ingress Protection	IP67

External Dimensions (mm)



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A101L

- External IR LED's
- 210 Illumination (850nm)
- Easy Installation Multiple Axis Bracket
- Dual Power (AC24V/DC12V)

General

Sensor	Built in CDS Photocell

IR LED

IR LED	120 LEDs
IR LED visible range (optimum)	30-50 m
LED Size	Ø= 5mm
Wavelength	850mm
Light Level (IR LEDs On)	5~10 Lux
IR Intensity	Adjustable
IR Beam Angle	60°

Output

External Trigger	2-Wire Relay Output, 0V

Mechanical

Dimensions (W x H x D)	190mm x 133mm x 254mm
Weight	1.66Kg

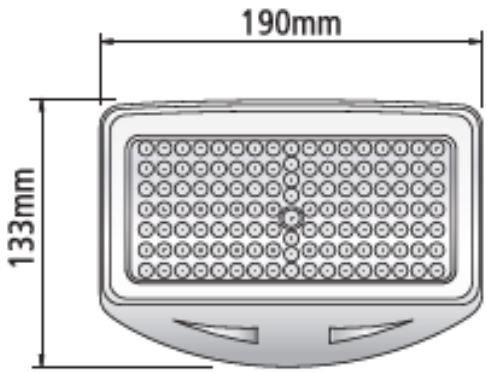
Electrical

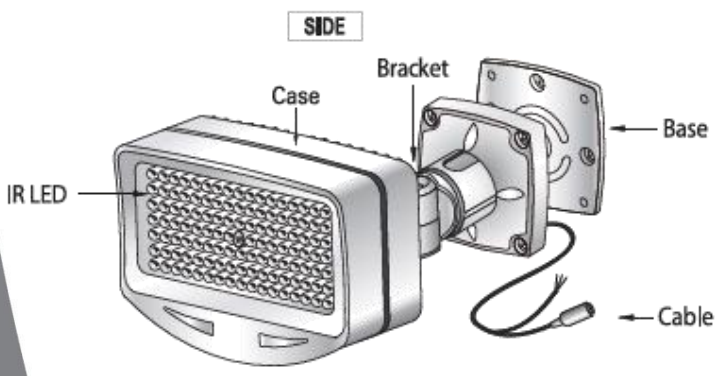
Power Source	AC 24V/DC 12V
Power Consumption	AC24V: 14.88W, DC12V: 15.6W

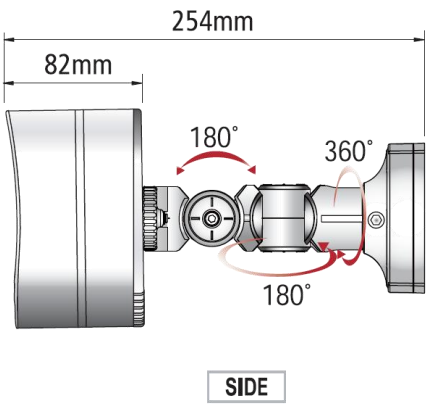
Environmental

Temperature	-20˚C ~ +60˚C
Humidity	95% RH MAX
Ingress Protection	IP67

External Dimensions (mm)







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Intelligent. Mobile. Remote

REVO ELITE

REVO's unique all-in-one desktop is great for home or small business, yet still packs the power of a full, professional security surveillance system that REVO has become known for.

DVR pentaplex™ TECHNOLOGY

EASY 1-2-3 INSTALL

DAY/ NIGHT VISION

QUICK

Unique camera cables are one click installed! No separate power cords to cameras or screw on connectors!

H.264 COMPRESSION

H.264: Best technology in storing hi-def video, providing more HDD space.

System can be set to record only when motion is detected in a certain area of the cameras view, or anywhere in view.

REVO MOBILE

REVO REMOTE PRO

4CH SYSTEM

Other Kits available with 8 & 16Ch.

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